

CLAIMS:

What is claimed is:

- 1 1. A display device comprising:
2 a flexible layer comprising a plurality of blocks which are deposited onto
3 said flexible layer; and
4 a receiver coupled to the blocks.
- 1 2. The display device of claim 1, wherein a photo-voltaic power
2 supply supplies power for the display device.
- 1 3. The display device of claim 1, wherein said display device
2 conforms to a desired shape of an object which is non-planar when said display
3 device is attached to said object.
- 1 4. The display device of claim 1, wherein said display device
2 conforms to a desired shape of an object which is planar when said display
3 device is attached to said object.
- 1 5. The display device of claim 4, wherein each of said blocks
2 comprises an active circuit element which drives a picture element.
- 1 6. The display device of claim 4, wherein the flexible layer forms an
2 active matrix backplane.
- 1 7. The display device of claim 6, further comprising:
2 a display generation substrate coupled to the active matrix backplane.
- 1 8. The display device of claim 1, further comprising:
2 a bistable liquid crystal is formed between a substrate and the flexible
3 layer.
- 1 9. The display device of claim 1, wherein said flexible layer
2 comprises an active matrix backplane which comprises at least one electrode
3 for each picture element.

- 1 10. The display device of claim 1, wherein said receiver receives
2 through a wireless link data representing display data and provides said
3 display data to said plurality of blocks.
- 1 11. The display device of claim 1, wherein the substrate is flexible and
2 wherein said receiver comprises an integrated circuit which is deposited onto
3 said flexible layer.
- 1 12. A display device comprising:
2 a substrate;
3 a flexible layer coupled to the substrate and comprising a plurality of
4 blocks which are deposited onto the flexible layer and a receiver;
5 wherein each block comprises an active electronic device which drives a
6 picture element in response to a signal from the receiver.
- 1 13. The device as in claim 12, wherein the substrate is flexible.
- 1 14. The device as in claim 12, wherein the substrate is rigid.
- 1 15. A method of manufacturing a flexible display panel comprising:
2 depositing a plurality of blocks onto a flexible layer, each of said blocks
3 comprising a circuit element for driving a picture element; and
4 coupling a receiver to the plurality of blocks on the flexible layer.
- 1 16. The method of claim 15, wherein said flexible display panel
2 conforms to a desired shape of an object when said flexible display panel is
3 attached to said object.
- 1 17. The method of claim 15, wherein each of said shaped blocks
2 comprises an active circuit element which drives a picture element.
- 1 18. The method of claim 15, further comprising:
2 coupling a display generation substrate to said flexible layer.
- 1 19. The method of claim 15, wherein said flexible display panel
2 comprises an active matrix display backplane which comprises at least one
3 electrode for each picture element.

- 1 20. The method of claim 15, wherein said flexible display panel is
2 conformal.
- 1 21. The method of claim 15, wherein the flexible display panel has an
2 organic light emitting diode.
- 1 22. The method of claim 15, wherein the flexible display panel
2 comprises upconverting phosphor.
- 1 23. The method of claim 15, wherein the receiver is a RF wireless
2 transponder receiver.
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- 1 24. A display apparatus comprising:
2 a receiver configured to receive a signal generated from a transmitter;
3 a plurality of blocks formed in a flexible layer in which an electric device
4 means is used for powering such display from the transmitter which changes a
5 display in response to the signal.
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- 1 25. The apparatus of claim 24, wherein the receiver is coupled to the
2 plurality of blocks and a wireless receiver which comprises an integrated circuit
3 which is deposited onto said flexible layer.
- 1 26. The apparatus of claim 24, wherein the display has at least one
2 organic light emitting diode.
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- 1 27. A method of manufacturing a flexible display panel depositing a
2 plurality of blocks onto a web material defined by a length 50 times greater
3 than its width, each of said blocks comprises an electronic device for driving a
4 picture element; and
5 coupling a receiver to the plurality of blocks on the web material.
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- 1 28. An apparatus comprising:
2 a display;
3 a plurality of blocks formed in a flexible layer;
4 a receiver coupled to the display configured to receive a signal
5 generated from a transmitter; and

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an electronic device for powering said display which changes the display
in response to the signal.